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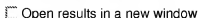
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### 1 [Smart identification frameworks for ubiquitous computing applications](#)

Kay Römer, Thomas Schoch, Friedemann Mattern, Thomas Dübendorfer

November 2004 *Wireless Networks*. Volume 10 Issue 6

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(404.91 KB\)](#)

[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 246, Citation Count: 1

We present our results of the conceptual design and the implementation of ubiquitous computing applications using smart identification technologies. First, we describe such technologies and their potential application areas, then give an overview of ...

Keywords: Jini, RFID tags, ubiquitous computing, virtual counterparts, web services

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### 2 [Lessons learned in modeling schizophrenic and depressed responsive virtual humans for training](#)

Robert C. Hubal, Geoffrey A. Frank, Curry I. Guinn

January 2003 | UI '03: Proceedings of the 8th international conference on Intelligent user interfaces

Publisher: ACM

Full text available: [pdf\(355.06 KB\)](#)

[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 89, Citation Count: 2

This paper describes lessons learned in developing the linguistic, cognitive, emotional, and gestural models underlying virtual human behavior in a training application designed to train civilian police officers how to recognize gestures and verbal cues ...

Keywords: agents, behavior modeling, interaction skills training, managing encounters with the mentally ill, responsive virtual humans

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### 3 [Event-Driven Power Management of Portable Systems](#)

Tajana Simunic, Giovanni de Micheli, Luca Benini

November 1999 *ISSS '99: Proceedings of the 12th international symposium on System synthesis*

Publisher: IEEE Computer Society

Full text available: [pdf\(127.27 KB\)](#)



[Publisher Site](#)

[Additional Information: full citation, abstract, references, cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 17, Citation Count: 14

The policy optimization problem for dynamic power management has received considerable attention in the recent past. We formulate policy optimization as a constrained optimization problem on continuous-time Semi-Markov decision processes (SMDP). SMDPs ...

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4 Coordinated multi-streaming for 3D tele-immersion

David E. Ott, Ketan Mayer-Patel

October 2004 MULTIMEDIA '04: Proceedings of the 12th annual ACM international conference on Multimedia

Publisher: ACM

Full text available: pdf(608.83 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 33, Citation Count: 0

This paper looks at the problem of multi-streaming in 3D tele-immersion and describes how a protocol architecture called CP (for Coordination Protocol) can be used to coordinate video frame transport between application clusters. CP provides application ...

**Keywords:** distributed applications, flow coordination, network protocols

5 Efficiently verifying safety properties with idle office computers

Marko Mäkelä

June 2002 CRPIT '02: Proceedings of the conference on Application and theory of petri nets: formal methods in software engineering and defence systems - Volume 12, Volume 12

Publisher: Australian Computer Society, Inc.

Full text available: pdf(141.94 KB); ps(273.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 9, Citation Count: 0

Assuring the quality of safety-critical software systems requires more rigorous methods than testing. Model checking by exhaustive state space enumeration, "testing all executions," is an alternative, but the use of state and memory reduction techniques ...

**Keywords:** distributed algorithm, model checking, state space enumeration

6 Informing memory operations: memory performance feedback mechanisms and their applications

Mark Horowitz, Margaret Martonosi, Todd C. Mowry, Michael D. Smith

May 1998 ACM Transactions on Computer Systems (TOCS), Volume 16 Issue 2

Publisher: ACM

Full text available: pdf(344.74 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 59, Citation Count: 5

Memory latency is an important bottleneck in system performance that cannot be adequately solved by hardware alone. Several promising software techniques have been shown to address this problem successfully in specific situations. However, the generality ...

**Keywords:** cache miss notification, memory latency, processor architecture

7 Directed explicit model checking with HSF-SPIN

Stefan Edelkamp, Alberto Lluch Lafuente, Stefan Leue

May 2001 SPIN '01: Proceedings of the 8th international SPIN workshop on Model checking of software

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(249.55 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 25, Citation Count: 15


We present the explicit state model checker HSF-SPIN which is based on the model checker SPIN and its Promela modeling language. HSF-SPIN incorporates directed search algorithms for checking safety and a large class of LTL-specified liveness properties. ...

## 8 [General methodology 3: a parallel simulation framework for infrastructure modeling and analysis](#)

Donald D. Dudenhoefter, May R. Permann, Elliot M. Sussman

December 2002 WSC '02: Proceedings of the 34th conference on Winter simulation: exploring new frontiers

Publisher: Winter Simulation Conference

Full text available:  pdf(390.26 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 22, Citation Count: 1


Today's society relies greatly upon an array of complex national and international infrastructure networks, such as transportation, utilities, telecommunication, and even financial networks. While modeling and simulation tools have provided insight into ...

## 9 [Integrating UML diagrams for production control systems](#)

Hans J. Köhler, Ulrich Nickel, Jörg Niere, Albert Zündorf

June 2000 ICSE '00: Proceedings of the 22nd international conference on Software engineering

Publisher: ACM

Full text available:  pdf(2.39 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 105, Citation Count: 9

This paper proposes to use SDL block diagrams, UML class diagrams, and UML behavior diagrams like collaboration diagrams, activity diagrams, and statecharts as a visual programming language. We describe a modeling approach for flexible, autonomous production ...

Keywords: SDL, UML, collaboration diagrams, embedded systems, graph grammars, statecharts


## 10 [MemoriES3: a programmable, real-time hardware emulation tool for multiprocessor server design](#)

Ashwini Nanda, Kwok-Ken Mak, Krishnan Sugarvanam, Ramendra K. Sahoo, Vijayaraghavan

Soundararajan, T. Basil Smith

December 2000 ACM SIGOPS Operating Systems Review, Volume 34 Issue 5

Publisher: ACM

Full text available:  pdf(724.53 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 67, Citation Count: 4

Modern system design often requires multiple levels of simulation for design validation and performance debugging. However, while machines have gotten faster, and simulators have become more detailed, simulation speeds have not tracked machine speeds, ...

## 11 [MemoriES: a programmable, real-time hardware emulation tool for multiprocessor server design](#)

Ashwini Nanda, Kwok-Ken Mak, Krishnan Sugavanam, Ramendra K. Sahoo, Vijayaraghavan

Soundararajan, T. Basil Smith

November 2000 ACM SIGPLAN Notices, Volume 35 Issue 11

Publisher: ACM

Full text available:  pdf(1.84 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 18, Citation Count: 1

Modern system design often requires multiple levels of simulation for design validation and performance debugging. However, while machines have gotten faster, and simulators have become more detailed, simulation speeds have not tracked machine speeds. ...

R. Srinivasan, Arun K. Somani

February 2003 IEEE/ACM Transactions on Networking (TON), Volume 11 Issue 1

Publisher: IEEE Press

Full text available:  pdf(629.52 KB)


Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 30, Citation Count: 4

Channel access has been an active research area for the past two decades. Several protocols have been proposed in literature to efficiently utilize the channel bandwidth. Some of the recently proposed protocols achieve a near-ideal channel utilization. ...


Keywords: broadcast networks, collision resolution, multiple access, tree splitting

### 13 Efficient micro-mobility using intra-domain multicast-based mechanisms (M&M)

 Ahmed Helmy, Muhammad Jaseemuddin, Ganesha Bhaskara

November 2002 ACM SIGCOMM Computer Communication Review, Volume 32 Issue 5

Publisher: ACM

Full text available:  pdf(1.03 MB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 32, Citation Count: 2


One very important metric in evaluation of IP mobility protocols is handover performance. Handover occurs when a mobile node changes its network point-of-attachment. If not performed efficiently, handover delays, jitters and packet loss directly impact ...

### 14 Spoken dialogue technology: enabling the conversational user interface

 Michael F. McTear

March 2002 ACM Computing Surveys (CSUR), Volume 34 Issue 1

Publisher: ACM

Full text available:  pdf(987.69 KB)

Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 737, Citation Count: 18

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the ...

Keywords: Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

### 15 Inferable Centers, Centering Transitions, and the Notion of Coherence

Laurel Fais

June 2004 Computational Linguistics, Volume 30 Issue 2

Publisher: MIT Press


Full text available:  pdf(632.76 KB)

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 36, Citation Count: 0

A centering analysis of the corpus of Japanese e-mail that is examined in this article relies heavily on the inclusion of inferable centers. However, utilizing this type of center results in a high level of indeterminacy in labeling transitions and thus ...

### 16 MemorES3: a programmable, real-time hardware emulation tool for multiprocessor server design

 Ashwini Nanda, Kwok-Ken Mak, Krishnan Sugarvanam, Ramendra K. Sahoo, Vijayaraghavan Soundararajan, T. Basil Smith

November 2000 ASPLOS-IX: Proceedings of the ninth international conference on Architectural support for programming languages and operating systems

Publisher: ACM


Full text available:  [pdf\(724.53 KB\)](#)

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Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 67, Citation Count: 4

Modern system design often requires multiple levels of simulation for design validation and performance debugging. However, while machines have gotten faster, and simulators have become more detailed, simulation speeds have not tracked machine speeds, ...

#### 17 [MemoriES3: a programmable, real-time hardware emulation tool for multiprocessor server design](#)

 Ashwini Nanda, Kwok-Ken Mak, Krishnan Sugarvanam, Ramendra K. Sahoo, Vijayaraghavan Soundararajan, T. Basil Smith  
December 2000 ACM SIGARCH Computer Architecture News, Volume 28 Issue 5

Publisher: ACM


Full text available:  [pdf\(724.53 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 67, Citation Count: 4

Modern system design often requires multiple levels of simulation for design validation and performance debugging. However, while machines have gotten faster, and simulators have become more detailed, simulation speeds have not tracked machine speeds, ...

#### 18 [Policy optimization for dynamic power management](#)

 G. A. Paleologo, L. Benini, A. Bogliolo, G. De Micheli  
May 1998 DAC '98: Proceedings of the 35th annual conference on Design automation  
Publisher: ACM

Full text available:  [pdf\(239.25 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 46, Citation Count: 17

Dynamic power management schemes (also called policies) can be used to control the power consumption levels of electronic systems, by setting their components in different states, each characterized by a performance level and a power consumption. ...

Keywords: emulation, functional simulation, reconstruction, visibility

#### 19 [Checking the temporal integrity of interactive multimedia documents](#)

I. Mirbel, B. Pernici, T. Sellis, S. Tserkezoglou, M. Vazirgiannis  
July 2000 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 9 Issue 2

Publisher: Springer-Verlag New York, Inc.

Full text available:  [pdf\(269.63 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 34, Citation Count: 2

When authoring multimedia scenarios, and in particular scenarios with user interaction, where the sequence and time of occurrence of interactions is not predefined, it is difficult to guarantee the consistency of the resulting scenarios. As a consequence, ...

Keywords: Constraint networks, Multimedia presentation, Temporal integrity

#### 20 [A contract-based approach to designing safe systems](#)

Iain Bate, Richard Hawkins, John McDermid  
October 2003 SCS '03: Proceedings of the 8th Australian workshop on Safety critical systems and software - Volume 33, Volume 33

Publisher: Australian Computer Society, Inc.

Full text available:  [pdf\(679.05 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 64, Citation Count: 1

Architectural based approaches to designing software are motivating changes in the way software is developed for safety-critical systems. These new approaches allow developers to divide system requirements between components and their subcomponents. ...

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